

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

The declaration is of the following type: (check one applicable item below)

- original
 design
 supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- national state of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- divisional
 continuation
 continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

VACCINES EXPRESSED IN PLANTS

SPECIFICATION IDENTIFICATION

The specification of which: (complete (a), (b) or (c))

(a) is attached hereto

(b) was filed on _____ as Serial No. 0 _____ or Express Mail No., as Serial No. not yet known _____ and was amended on _____ (if applicable).

NOTE:

Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

in compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) no such applications have been filed.
(e) such applications have been filed as follows.

NOTE:

Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US94/02332

4 March 1994

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national state, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Ned L. Conley	19,204	Gregory L. Maag	32,363
Kevin L. Daffer	35,146	Eric B. Meyertons	34,876
Michael F. Heim	32,702	Leslie V. Payne	P38,267
Shawn Hunter	36,168	David A. Rose	26,223
Bruce Noël Kivlin	33,929	Jeffrey W. Tayon	30,717
C. Steven McDaniel	33,962	Marcella W. Watkins	36,962

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

C. Steven McDaniel
Conley, Rose & Tayon, P.C.
P.O. Box 3267
Houston, Texas 77253-3267

C. Steven McDaniel
(713) 238-8010

DECLARATION

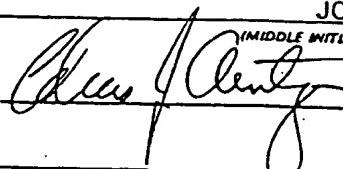
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor:

CHARLES (GIVEN NAME) JOEL (MIDDLE INITIAL OR NAME) ARNTZEN (FAMILY (OR LAST NAME))

Inventor's signature: 

Date: _____ Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 58 Bridgeberry, The Woodlands, Texas 77381

* * *

Full name of second joint inventor, if any:

DOMINIC (GIVEN NAME) MAN-KIT (MIDDLE INITIAL OR NAME) LAM (FAMILY (OR LAST NAME))

Inventor's signature: _____

Date: _____ Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 9 Wedgewood Glen, The Woodlands, Texas 77381

* * *

Full name of third joint inventor, if any:

(GIVEN NAME) (MIDDLE INITIAL OR NAME) (FAMILY (OR LAST NAME))

Inventor's signature: _____

Date: _____ Country of Citizenship: _____

Residence: _____

Post Office Address: _____

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION

- Signature for fourth and subsequent joint inventors. Number of pages added: _____
- * * *
- Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added _____
- * * *
- Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added _____
- * * *
- Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).
- * * *
- Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
- Number of pages added 1
- * * *
- Authorization of attorney(s) to accept and follow instructions from representative.

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

- This declaration ends with this page.

COMBINED DECLARATION AND POWER OF ATTORNEY
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TITLE OF INVENTION

VACCINES EXPRESSED IN PLANTS

SPECIFICATION IDENTIFICATION

The specification of which: (complete (a), (b) or (c))

- (a) is attached hereto

- (b) was filed on June 7, 1995 as Serial No. 08/479,742 and was amended by Preliminary Amendment filed concurrently therewith.

NOTE:

Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ if any).

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which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

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			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US94/02332

4 March 1994

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POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Ned L. Conley	19,204	Gregory L. Maag	32,363
Kevin L. Daffer	35,146	Eric B. Meyertons	34,876
Michael F. Heim	32,702	Leslie V. Payne	P38,267
Shawn Hunter	36,168	David A. Rose	26,223
Bruce Noël Kivlin	33,929	Jeffrey W. Tayon	30,717
C. Steven McDaniel	33,962	Marcella W. Watkins	36,962

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

C. Steven McDaniel
Conley, Rose & Tayon, P.C.
P.O. Box 3267
Houston, Texas 77253-3267

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

C. Steven McDaniel
(713) 238-8010

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

AUG-09-1995 12:38

CONLEY ROSE & TAYON

14897625431

PAGE 18
P.16

SIGNATURES:

NOTE: Carefully indicate the first name by it should appear on the filing receipt and all other documents.

Full name of sole or first inventor:

CHARLES

POWER OF ATTORNEY

MARY

POWER OF ATTORNEY

APRIL 1995

FAMILY FOR LAST NAME

Inventor's signature: _____

Date: _____

Country of Citizenship: _____

U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 58 Bridgeway, The Woodlands, Texas 77381

Full name of second joint inventor, if any:

DOMINIC

POWER OF ATTORNEY

MARY KIT

JAM

POWER OF ATTORNEY

FAMILY FOR LAST NAME

Inventor's signature: Dominic

Date: 8-10-95

Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 8 Wedgewood Glen, The Woodlands, Texas 77381

Full name of third joint inventor, if any:

CHARLES

POWER OF ATTORNEY

POWER OF ATTORNEY

FAMILY FOR LAST NAME

Inventor's signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____

Post Office Address: _____

**CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION**

- Signature for fourth and subsequent joint inventors. *Number of pages added:* _____
* * *
- Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____
* * *
- Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* 1
* * *
- Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).
* * *
- Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.
 Number of pages added 1
* * *
- Authorization of attorney(s) to accept and follow instructions from representative.
* * *

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

- This declaration ends with this page.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Charles Joel Arntzen
Dominic Man-Kit Lam

SERIAL NO.: 08/479,742

FILED: June 7, 1995

FOR: Vaccines Expressed in Plants

§
§
§ GROUP NO.:
§
§ EXAMINER:
§
§

Attorney Docket No.: 1621-00206
Date: August 22, 1996

TRANSMITTAL OF COMBINED DECLARATION AND
POWER OF ATTORNEY OF CHARLES J. ARNTZEN

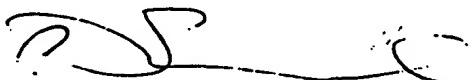
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified matter is a *Combined Declaration and Power of Attorney* signed by Charles J. Arntzen, with a copy of the specification, claims, drawings and preliminary amendment attached. By this filing, Dr. Arntzen joins in the prosecution of this application, as provided under 37 C.F.R. § 1.47(b).

Applicants believe that no fee is due as a result of filing this paper. If the Commissioner deems that a fee is owing, please charge the same to Deposit Account No. 03-2769 of Conley, Rose & Tayon, P.C., Houston, Texas.

Respectfully submitted,



C. Steven McDaniel
Reg. No. 33,962
Conley, Rose & Tayon, P.C.
P. O. Box 3267
Houston, Texas 77253-3267
(713) 238-8010 Fax (713) 238-8008
ATTORNEY FOR APPLICANTS

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class U.S. Mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

8-23-96
(Date)

C. Steven McDaniel
(Printed name of person mailing paper)

(Signature of person mailing paper)

PATENT
Attorney Docket: P00245USE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Arntzen, Charles J., et al. ART UNIT: 1633
SERIAL NO: (Continuation of 09/593,908) EXAMINER: Drabic, C.
FILED:
TITLE: VACCINES EXPRESSED IN PLANTS

**STATEMENT UNDER 37 C.F.R. § 3.73(b)
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

Assistant Commissioner for Patents
Washington, D.C. 20231

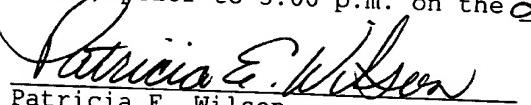
Dear Sir:

PRODIGENE, INC., the assignee of the entire right, title and interest hereby seeks to take action in the PTO in this matter.

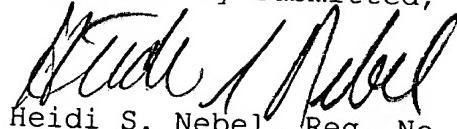
An assignment from inventor Charles J. Arntzen to Terramed, Inc. was recorded in the PTO in the parent case (SN 07/750,049 filed August 26, 1991) at Reel/Frame 8138/0405 on September 26, 1996; from inventor Dominic Man-Kit Lam to Terramed, Inc. was recorded in the PTO in the parent case (08/479,742 filed June 7, 1995) at Reel/Frame 8763/0499 on October 7, 1997; from Terramed, Inc. to Prodigene, Inc. was recorded in the PTO in the parent case (SN 08/479,742 filed June 7, 1995) at Reel/Frame 8763/0450. on October 7, 1997.

===== CERTIFICATE OF MAILING BY EXPRESS MAIL =====

I hereby certify that this document and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, prior to 5:00 p.m. on the 23 day of March, 2001.


Patricia E. Wilson
Express Mail Label # EL745292183US

Respectfully submitted,



Heidi S. Nebel, Reg. No. 37,719
ZARLEY, MCKEE, THOMTE, VOORHEES
& SEASE
801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309
Phone No. (515) 288-3667
Fax No. (515) 288-1338
CUSTOMER NO: 22885

Attorneys of Record

- pw -

DRAFTING ATTORNEY
PROFESSIONAL CORPORATION